

Data sheet:

RS232 Universal Serial Buffer



Article no.: 88642

EUR 338.00

*Net price for commercial users

4 MB for storing and reading out serial data

The RS232 Universal Serial Buffer can be used to buffer store serial data and includes a flash memory with a capacity of 4MB. The various operating modes provide great versatility.

Properties

Management and Connectivity:

- **Non-volatile buffering of serial data:**
 - Print and plot data
 - Telephone fee information
 - machine data
 - etc...
- **Data back channel allows connection of bi-directional peripheral devices**
- **Both ports can be configured independently of each other**
- **Conversion of baud rate, data format and handshake protocol possible:**
- **Addition of RS422, RS485 or 20mA interface modules available on request**
- **Integrated diagnostic and startup aid: Setting dump**
- **Extended supply voltage range up to 24V**

Standards & more

- **Conforms to standards both in office and industrial environments:**
 - High noise resistance per EN 61000-6-2
 - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**

♥ Wish for something!
Your suggestions for improvement and additions

Application Examples

Application example "Buffer storing fee and call data":

Telephone systems provide fee data with each conversation, which are output directly on the RS232 port of the telephone equipment. Processing this data used to require that a PC with a running receiving program be continuously connected and turned on in order to be able to receive this fee data. The telephone equipments itself generally does not have sufficient buffer storage capacity.

The serial buffer takes the call data until it is queried by the PC. The PC may in the meantime be turned off or used for other purposes. The buffer stores the data in a non-volatile memory, so that power failures do not result in loss of the valuable data. To query the buffer from the PC, use either our small software tool, which generates text or Excel files, or integrate the 3-byte query sequences directly into your fee calculation software.

Converting serial transmission parameters (e.g. baud rate converter):

If you need to connect two terminal devices in serial whose interfaces have different, non-configurable transmission parameters (baud rate, data format and handshake procedure), the RS232 Universal Serial Buffer can be used as a converter.

Since the transmission parameters for the two buffer interfaces can be set independently of each other, it is possible to connect both terminal devices together through the buffer. When the buffer receives data at a port, the format is converted to that of the second device and passed to that device. Upward converting of the transmission speed (baud rate) is also possible using the internal 4 MB memory. The set handshake procedure controls the data flow and prevents the memory from overflowing.

As part of the conversion of the serial transmission parameters baud rate, data format and handshake procedure can be changed.

Technical data

Connections and displays:

Serial ports:	2x RS232 (both ports can be configured independently of each other)
Input:	9-pin SUB-D socket with DCE assignment
Output:	9-pin SUB-D male with DTE assignment
Supported signals:	RxD, TxD, CTS, DTR
Baud rate:	150 to 115.200 kBaud
Data format:	7,8 data bits, no,even,odd parity
Flow control:	Hardware handshake or XON/XOFF protocol
Integrated buffer:	4MB flash memory
Operating modes:	Standard print/plot buffer Fee data buffer
Power supply:	12..24V DC/AC
Current consumption:	typ. 30mA at 24V DC

Housing and other data:

Housing:	Plastic housing, 105 x 75 x 45mm
Weight:	approx. 150g
Ambient temperature:	Storage: -40 .. +70°C, Operation: 0 .. +60°C
Permissible relative humidity:	0..95% RH (non-condensing)
Scope of delivery:	1x RS232 Universal Serial Buffer, 4MB Please order power supplies separately as accessories

Accessories

*Net unit price for commercial users

Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€	
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€	
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	

Cable and Connector Accessories

RS232 1:1-Cable, DB9F - DB9M, 2m	11952	9.90€	
RS232 PC/PC cable, DB9F x DB9F, 1.8m	11992	9.90€	

Mechanical Accessories

Mounting bracket for wall mounting	58812	11.20€	
19" DIN rail	58813	21.00€	

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.



We are available to you in person:

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